

# CECO Mefiag

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## MEFIAG'S SETHCO STAINLESS STEEL BAG FILTER CHAMBERS AND SYSTEMS

DEPTH FILTRATION  
OF CORROSION LIQUIDS

### FEATURES:

- Stainless Steel 316 construction
- Six chamber sizes, to 7500 GPH 28,390 LPH)
- Six complete bag filter systems to 4500 GPH (17000 LPH)
- Reusable filter media in choice of micron ratings
- Quick easy bag replacement
- Heavy duty, one piece, welded chamber design
- Pressure to 150 psi, temperature to 210°F (99°C)



MODEL  
SSBC-2

### APPLICATIONS:

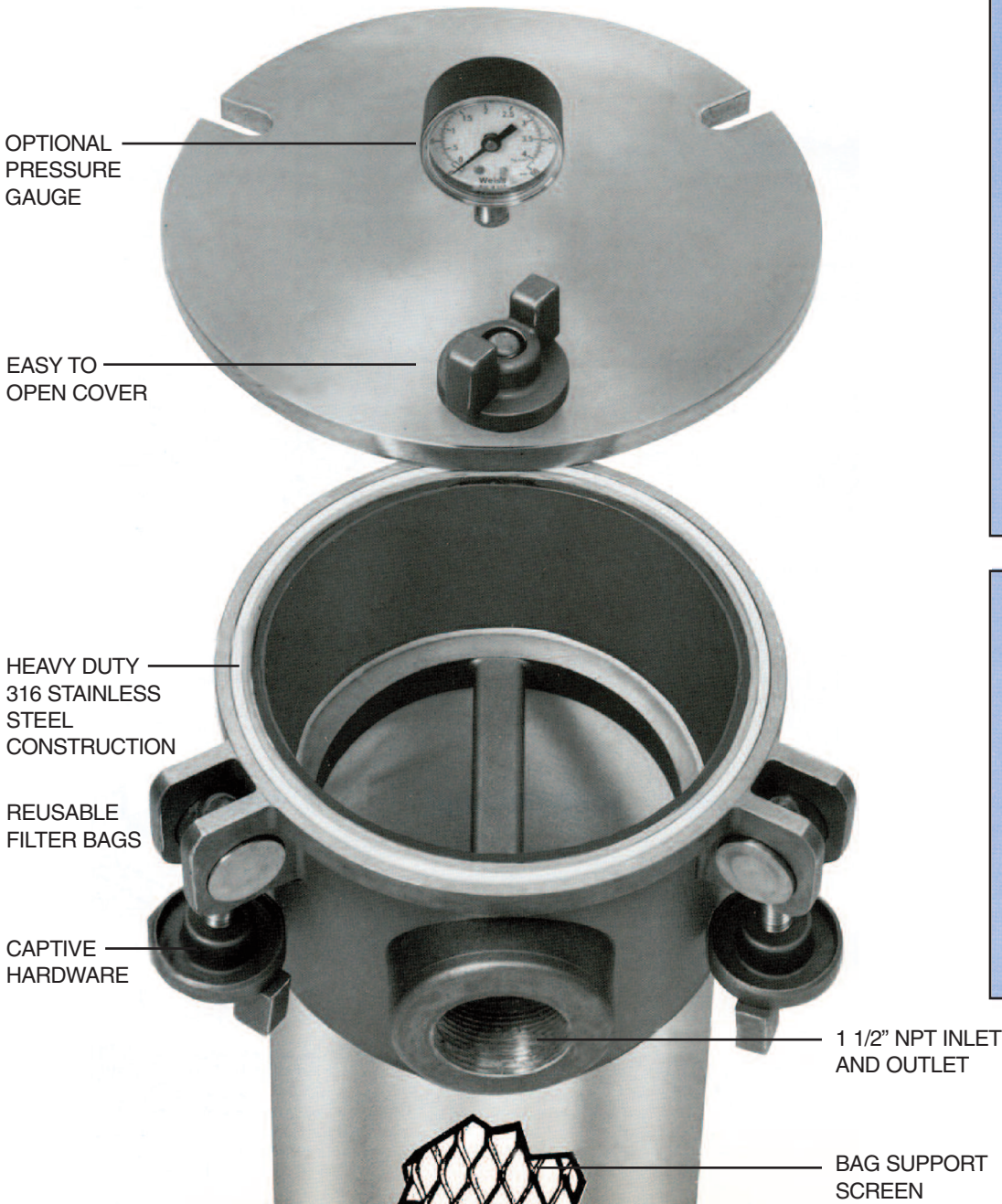
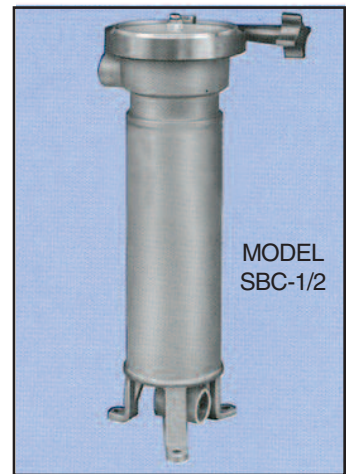
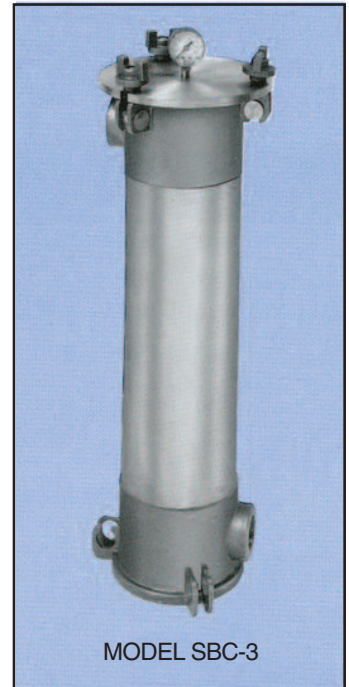
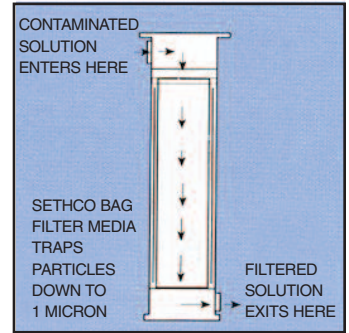
- Chemical Solutions
- Pharmaceuticals
- Petro Chemicals
- Photographic Chemicals
- Industrial Liquids
- Hydraulic Fluids
- Electroplating Solutions
- Cleaning Solutions
- Nickel Acetate Seal Solutions

**3 NEW CHAMBER SIZES  
3 NEW FILTER SYSTEMS**

# MEFIAG'S "SETHCO" STAINLESS STEEL BAG FILTER CHAMBERS

## 6 SIZES TO CHOOSE FROM...FILTRATION TO 7500 GPH (28,390 LPH)

**SETHCO "SBC" SERIES STAINLESS STEEL BAG FILTER CHAMBERS** are ideal for in-line or out-of-tank filtration requirements. The one piece welded chamber is available in six sizes for filtration up to 7500 GPH (28,390 LPH) capturing particles down to 1 micron in size. Corrosion resistant type 316 stainless steel makes Sethco's bag filter chambers suitable for filtering many common acid, alkaline and cyanide plating solutions, photo resist solutions, solvents, nickel acetate seal solutions, hydraulic fluid, DI water and much more without product contamination. The SBC-2, SBC-3 and SBC-4 models feature captive hardware and a pivoting cover for fast, easy access to the chamber. The smaller chambers utilize an easy open V-Band clamp with a large hand knob to secure the cover to the filter housing. Viton "O" rings are standard, Teflon "O" rings are available. Sethco Bag Filter Chambers are available separately or as part of a complete filter system.





# MEFIAG'S "SETHCO" STAINLESS STEEL BAG FILTER SYSTEMS

## 6 MODELS TO CHOOSE FROM...FILTRATION TO 4,500 GPH (17,000 LPH)

Sethco Stainless Steel Bag Filter Systems include a "SBC" Series chamber, a Sethco Stainless Steel Pump, appropriate fittings, all stainless hardware, one filter bag and a corrosion resistant panel. Sethco offers 6 compact portable systems that are recommended for aqueous, alkaline and some acid solutions to 210°F (99°C).

### CORROSION RESISTANT 316 STAINLESS STEEL PUMPS

The centrifugal pumps, constructed of 316 stainless steel, are closed coupled to their motors. The pumps are equipped with appropriate mechanical seals, selected for the application. These mechanical seals provide leak-proof, trouble-free pumping. The seals listed on the back page are available in various materials of construction, depending on application.

For pump specifications, see Table 2 on back page.

### HIGH STRENGTH REUSABLE BAG FILTERS

Sethco's filter bags are constructed of polypropylene felt. The high strength felt is produced by the kneading of two layers of polypropylene fibers into a supporting scrim. This provides depth filtration and a higher solids-loading capacity than an equivalent area of mesh fabric. Bags are available in 1,3,10, 25, 50 and 100 micron sizes. Table 1 lists the surface area of each size bag.

### MOTORS

Mefiag makes available a wide choice of continuous duty. TEFC or explosion proof motors, as required. All pumps are offered with either 1 phase or 3 phase motors. Switch and line cord is optional on TEFC motors.

### FLOW CONTROL VALVE

Stainless Steel Valve is provided to regulate flow and to maintain the pumps prime when servicing filter chamber.

### BASE

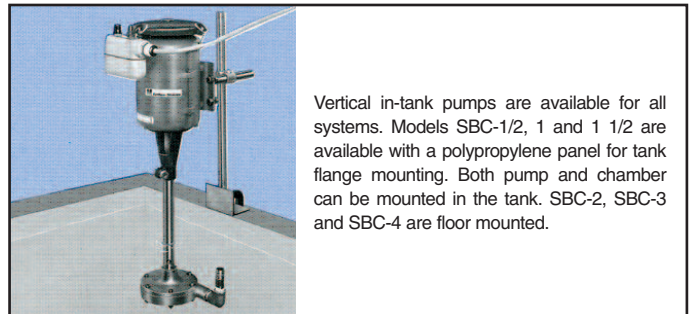
All equipment is mounted on a rigid phenolic panel. Systems using the SBC-2, SBC-3 and SBC-4 chamber include ball bearing casters while all others are provided with rubber bumpers.

For overall dimensions see Table 2 on back page.

### MEFIAG QUALITY WORKMANSHIP

Only the finest workmanship and materials are used in Sethco filter systems. Each unit is carefully tested before it is shipped and comes to you fully equipped, ready for instant operation.

MODEL SSBC-1  
This system  
includes Model  
SBC-1 chamber  
AND 1 1/3 Pump



Vertical in-tank pumps are available for all systems. Models SBC-1/2, 1 and 1 1/2 are available with a polypropylene panel for tank flange mounting. Both pump and chamber can be mounted in the tank. SBC-2, SBC-3 and SBC-4 are floor mounted.

**WARRANTY:** One year warranty against defective parts and workmanship. See Mefiag T&Cs for full warranty details. Always be specific about your application in order that proper materials may be furnished. Let Mefiag or an authorized distributor know: liquids being handled, gallons, temperature and pH.

The standard warranty does not apply when equipment is used contrary to factory recommendations.

Since the policy of Mefiag is one of continual improvement, we reserve the right to change design or materials at any time, without giving notice or creating any obligation to previous or future customers.

### CHANGE FILTER BAGS IN MINUTES (SBC 2, 3 & 4 MODELS)



Unscrew 3 hand knobs and pivot knobs away from cover.



Swivel chamber cover open.



Remove bag holder.



Remove filter bag from chamber.



Drop in new bag. Replace bag holder and secure cover.

# MEFIAG'S "SETHCO" STAINLESS STEEL BAG FILTER CHAMBERS AND SYSTEMS SPECIFICATIONS

**TABLE 1 FILTER CHAMBERS**

FILTER CHAMBER MODEL	MAXIMUM FILTRATION RATE		FILTER AREA (SQ. FT.)	FILTER BAG SIZE	INLET/OUTLET	NET WEIGHT	
	GPH	LPH				LBS.	KG.
SBC-1/2	600	2270	.5	A	3/4" NPT	12	5.5
SBC-1	600	2270	1.0	B	3/4" NPT	14	6.4
SBC-1 1/2	600	2270	1.5	C	3/4" NPT	16	7.3
SBC-2	3000	11,350	1.8	2	1 1/2" NPT	50	23
SBC-3	4500	17,000	2.75	3	1 1/2" NPT	67	30
SBC-4	7500	28,000	4.0	4	1 1/2" NPT	75	34

**TABLE 2 COMPLETE FILTER SYSTEMS**

FILTER SYSTEM MODEL	FILTRATION RATE (MAXIMUM)		PUMP CHARACTERISTICS			FILTER CHAMBER MODEL	DIMENSIONS (IN/CM)			PUMP INLET HOSE		CHAMBER OUTLET HOSE		NET WEIGHT	
	GPH	LPH	MODEL	HP	MAX PSI		L	W	H	NPT	ID	NPT	ID	LB.	KG.
SSBC-1/2	600	2650	SI-1/3	1/4	20	SBC-1/2	14 / 36	16 / 40	18 / 45	1/2"	3/4"	3/8"	1/2"	55	25
SSBC-1	600	2650	SI-1/3	1/4	20	SBC-1	14 / 36	16 / 40	28 / 71	1/2"	3/4"	3/8"	1/2"	60	28
SSBC-1 1/2	600	2650	SI-1/3	1/4	20	SBC-1 1/2	14 / 36	16 / 40	38 / 96	1/2"	3/4"	3/8"	1/2"	65	30
SSBC-2	2400	9,085	SI-1035	3/4	20	SBC-2	20"	24"	24"	1 1/4"	—	1"	1 1/4"	110	50
SSBC-3	3000	11,350	SI-1040	1	25	SBC-3	20 / 49	24 / 61	35 / 89	1 1/4"	—	1"	1 1/4"	140	65
SSBC-4	4500	17,000	SI-1045	2	31	SBC-4	20 / 49	24 / 61	45 / 89	1 1/2"	—	1"	1 1/2"	150	68

\*Indicate pump seal desired. See bulletin 307 for full details of pump and other optional equipment.

## PUMP MECHANICAL SEALS

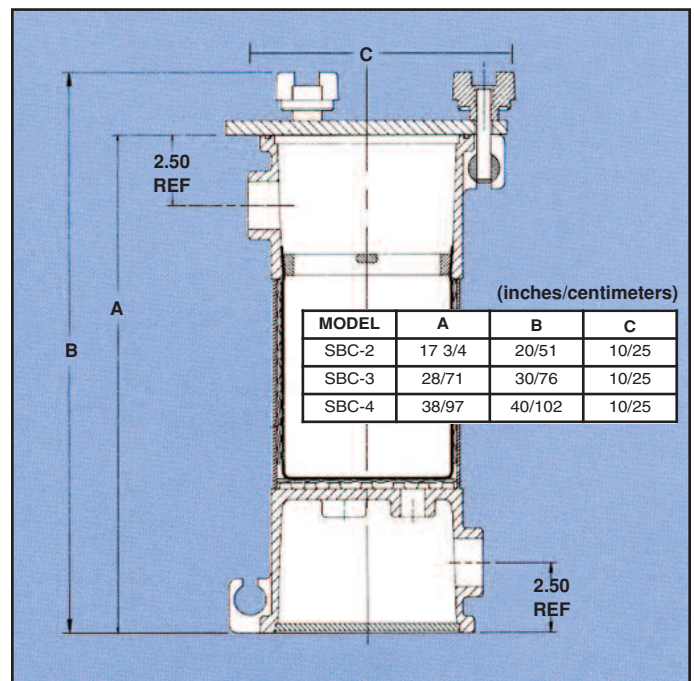
### PUMP MECHANICAL SEALS FOR SI-1/2 PUMP

SEAL	TYPE	ROTATING HEAD	STATIONARY SEAL	GENERAL SEAL GUIDE*
CM	21	Neoprene-Graphite	Hypalon-Ceramic	For acid (Sulfuric Chlorides) and mildly alkaline solutions pH 1-10
NM	21	Neoprene-Graphite	Hypalon-Carp. 20	For acid and highly alkaline solutions pH 3.0-14
MC	21	Viton-Graphite	Viton-Ceramic	For solvents and when Hypalon and Neoprene are not preferred materials
MN	21	Viton-Graphite	Viton-Carp. 20	For solvents and when Hypalon and Neoprene are not preferred materials
RC	9	Viton-Graphite	Viton-Ceramic	Replaces "MC" seal for improved sealing capability
RN	9	Teflon-Graphite	Viton-Carp. 20	Replaces "MN" seal for improved sealing capability
RS	9	Teflon-Graphite	316SS	Replaces RC & RN when Viton is NR

\* Consult Factory for specific pump and seal recommendations. Pump and Motors are available separately. Request Bulletin 307.

## CHAMBER DIMENSIONS

(SBC-2, SBC-3, SBC-4)

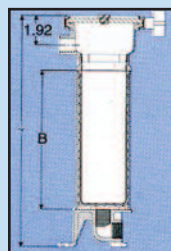


## CHAMBER DIMENSIONS

(SBC-1/2, SBC-1, SBC-1 1/2)

(inches/centimeters)

MODEL	A	B
SBC-1/2	15/37	9/23
SBC-1	25/63	19/48
SBC-1 1/2	35/88	26/66



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